OIPE

RAW SEQUENCE LISTING

DATE: 09/26/2001

PATENT APPLICATION: US/09/943,215

TIME: 12:13:37

Input Set : N:\Crf3\RULE60\09943215.txt Output Set: N:\CRF3\09262001\I943215.raw

SEQUENCE LISTING

(1) GENERAL INFORMATION:

```
6
              (i) APPLICANT: Pang, Sheng-Zhi
      7
                             Gonsalves, Dennis
      8
                             Jan, Fuh-Jyh
     10
             (ii) TITLE OF INVENTION: DNA CONSTRUCT TO CONFER MULTIPLE TRAITS
     11
                                      ON PLANTS
     13
            (iii) NUMBER OF SEQUENCES: 18
     15
            (iv) CORRESPONDENCE ADDRESS:
                   (A) ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
     16
     17
                   (B) STREET: Clinton Square, P.O. Box 1051
     18
                  (C) CITY: Rochester
     19
                  (D) STATE: New York
     20
                  (E) COUNTRY: U.S.A.
                                                         ENTERED
     21
                  (F) ZIP: 14603
     23
             (V) COMPUTER READABLE FORM:
     24
                  (A) MEDIUM TYPE: Floppy disk
     25
                  (B) COMPUTER: IBM PC compatible
     26
                  (C) OPERATING SYSTEM: PC-DOS/MS-DOS
     27
                  (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
     29
            (vi) CURRENT APPLICATION DATA:
C--> 30
                  (A) APPLICATION NUMBER: US/09/943,215
C--> 31
                  (B) FILING DATE: 30-Aug-2001
     32
                  (C) CLASSIFICATION:
     38
           (vii) PRIOR APPLICATION DATA:
     35
                  (A) APPLICATION NUMBER: 09/025,635
     36
                  (B) FILING DATE: 19-FEB-1997
    39
                  (A) APPLICATION NUMBER: US 60/062,870
    40
                  (B) FILING DATE: 21-OCT-1997
          (viii) ATTORNEY/AGENT INFORMATION:
    42
    43
                  (A) NAME: Goldman, Michael L.
    44
                  (B) REGISTRATION NUMBER: 30,727
    45
                  (C) REFERENCE/DOCKET NUMBER: 19603/1552
    47
            (ix) TELECOMMUNICATION INFORMATION:
    48
                  (A) TELEPHONE: (716) 263-1304
    49
                  (B) TELEFAX: (716) 263-1600
    52 (2) INFORMATION FOR SEQ ID NO: 1:
    54
            (i) SEQUENCE CHARACTERISTICS:
    55
                 (A) LENGTH: 46 base pairs
    56
                 (B) TYPE: nucleic acid
    57
                 (C) STRANDEDNESS: single
    58
                 (D) TOPOLOGY: linear
    60
           (ii) MOLECULE TYPE: cDNA
    65
           (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
    67 AGCTAATCTA GAACCATGGA TGACTCACTA AGGAAAGCAT TGTTGC
                                                                                 46
    69 (2) INFORMATION FOR SEQ ID NO: 2:
    71
            (i) SEQUENCE CHARACTERISTICS:
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Input Set : N:\Crf3\RULE60\09943215.txt Output Set: N:\CRF3\09262001\1943215.raw

72 (A) LENGTH: 38 base pairs	
73 (B) TYPE: nucleic acid	
74 (C) STRANDEDNESS: single	•
75 (D) TOPOLOGY: linear	
77 (ii) MOLECULE TYPE: cDNA	
82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
84 TACAGTTCTA GAACCATGGT CTGGAAAACC TTGACCAG	38
86 (2) INFORMATION FOR SEQ ID NO: 3:	
88 (i) SEQUENCE CHARACTERISTICS:	
89 (A) LENGTH: 41 base pairs	
90 (B) TYPE: nucleic acid	
91 (C) STRANDEDNESS: single	
92 (D) TOPOLOGY: linear	
94 (ii) MOLECULE TYPE: cDNA	
99 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
101 TACAGTTCTA GAACCATGGT AAAGCGATTT TACTTTTGGT A	41
103 (2) INFORMATION FOR SEQ ID NO: 4:	
105 (i) SEQUENCE CHARACTERISTICS:	
106 (A) LENGTH: 49 base pairs	
107 (B) TYPE: nucleic acid	
108 (C) STRANDEDNESS: single	
109 (D) TOPOLOGY: linear	
111 (ii) MOLECULE TYPE: cDNA	
116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
118 AGATTCTCTA GACCATGGTG ACTTGATGAG CAAAGTCTGT GAGGCTTGC	49
120 (2) INFORMATION FOR SEQ ID NO: 5:	
122 (i) SEQUENCE CHARACTERISTICS:	
123 (A) LENGTH: 38 base pairs	
124 (B) TYPE: nucleic acid	
125 (C) STRANDEDNESS: single	
126 (D) TOPOLOGY: linear	
128 (ii) MOLECULE TYPE: cDNA	
133 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
135 TACAGTTCTA GAACCATGGA AAATACAAGG ATCTCGGG	3,8
137 (2) INFORMATION FOR SEQ ID NO: 6:	
(i) SEQUENCE CHARACTERISTICS:	
140 (A) LENGTH: 41 base pairs	
141 (B) TYPE: nucleic acid	
142 (C) STRANDEDNESS: single	
143 (D) TOPOLOGY: linear	
145 (ii) MOLECULE TYPE: cDNA	
150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
152 TACAGTTCTA GAACCATGGT AGAAGGGGAA AGAGTATGCT G	41
154 (2) INFORMATION FOR SEQ ID NO: 7:	•
156 (i) SEQUENCE CHARACTERISTICS:	
157 (A) LENGTH: 36 base pairs	
158 (B) TYPE: nucleic acid	
159 (C) STRANDEDNESS: single 160 (D) TOPOLOGY: linear	
(D) TOPOLOGY: linear	



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162 (ii) MOLECULE TYPE: cDNA 167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 169 AGCATTGGAT CCATGGTTAA CACACTAAGC AAGCAC 171 (2) INFORMATION FOR SEQ ID NO: 8: 173 (i) SEQUENCE CHARACTERISTICS: 174 (A) LENGTH: 36 base pairs 175 (B) TYPE: nucleic acid 176 (C) STRANDEDNESS: single	36
177 (D) TOPOLOGY: linear 179 (ii) MOLECULE TYPE: cDNA 184 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8: 186 TCTTGAGGAT CCATGGCTGA TCTTCATTCA TTTCAA 188 (2) INFORMATION FOR SEQ ID NO: 9: 190 (i) SEQUENCE CHARACTERISTICS: 191 (A) LENGTH: 36 base pairs 192 (B) TYPE: nucleic acid 193 (C) STRANDEDNESS: single	36
194 (D) TOPOLOGY: linear 196 (ii) MOLECULE TYPE: cDNA 201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9: 203 TCTTGAGGAT CCATGGATCC TGATATATAG CCAAGA 205 (2) INFORMATION FOR SEQ ID NO: 10: 207 (i) SEQUENCE CHARACTERISTICS: 208 (A) LENGTH: 39 base pairs 209 (B) TYPE: nucleic acid 210 (C) STRANDEDNESS: single	36
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10: 220 TACAGTGGAT CCATGGTTAA GGTAATCCAT AGGCTTGAC (i) SEQUENCE CHARACTERISTICS: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 36 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	· 39
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11: 237 TCTTGAGGAT CCATGGCTTA ATAACCTTCA TTATGC (239 (2) INFORMATION FOR SEQ ID NO: 12: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 36 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA	36
252 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12: 254 TCTTGAGGAT CCATGGAAAA GTCTTGAAGT TGAATG 256 (2) INFORMATION FOR SEQ ID NO: 13:	36



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258
          (i) SEQUENCE CHARACTERISTICS:
 259
                (A) LENGTH: 50 base pairs
 260
                (B) TYPE: nucleic acid
 261
                (C) STRANDEDNESS: single
 262
                (D) TOPOLOGY: linear
 264
         (ii) MOLECULE TYPE: cDNA
 269
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 271 AGCTAATCTA GAACCATGGA TGAAAAATTA CCATAAAGAA AACTTCAGAC
                                                                               50
 273 (2) INFORMATION FOR SEQ ID NO: 14:
 275
          (i) SEQUENCE CHARACTERISTICS:
 276
               (A) LENGTH: 53 base pairs
 277
               (B) TYPE: nucleic acid
               (C) STRANDEDNESS: single
 278
 279
               (D) TOPOLOGY: linear
 281
         (ii) MOLECULE TYPE: cDNA
 286
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 288 AGCATTGGAT CCATGGTTAG TTACCTAGTT TTCTTTTCAG CACAGTGCAA ACT
                                                                               53
 290 (2) INFORMATION FOR SEQ ID NO: 15:
 292
          (i) SEQUENCE CHARACTERISTICS:
 293
               (A) LENGTH: 30 base pairs
 294
               (B) TYPE: nucleic acid
 295
               (C) STRANDEDNESS: single
296
               (D) TOPOLOGY: linear
298
         (ii) MOLECULE TYPE: cDNA
303
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
305 TTGACTCCAT GGCAGGTGAA ACGCTTGACG
                                                                               30
307 (2) INFORMATION FOR SEQ ID NO: 16:
309
          (i) SEQUENCE CHARACTERISTICS:
310
               (A) LENGTH: 33 base pairs
311
               (B) TYPE: nucleic acid
312
               (C) STRANDEDNESS: single
313
               (D) TOPOLOGY: linear
315
        (ii) MOLECULE TYPE: cDNA
320
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
322 GTCGTACCAT GGCGAGAATA CTAACGAGTA AAC
                                                                               33
324 (2) INFORMATION FOR SEQ ID NO: 17:
326
         (i) SEQUENCE CHARACTERISTICS:
327
               (A) LENGTH: 44 base pairs
328
              (B) TYPE: nucleic acid
329
              (C) STRANDEDNESS: single
330
              (D) TOPOLOGY: linear
332
        (ii) MOLECULE TYPE: cDNA
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
339 TGAACATCTA GAACCATGGG TAAAGGAGAA GAACTTTTCA CTGG
                                                                              44
341 (2) INFORMATION FOR SEQ ID NO: 18:
343
         (i) SEQUENCE CHARACTERISTICS:
344
              (A) LENGTH: 44 base pairs
345
              (B) TYPE: nucleic acid
346
              (C) STRANDEDNESS: single
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347 (D) TOPOLOGY: linear 349 (ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18: 354

356 TGAACAGGAT CCATGGTCTA CGAATGCTAT TATTTGTATA GTTC

44



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/943,215

DATE: 09/26/2001 TIME: 12:13:38

Input Set : N:\Crf3\RULE60\09943215.txt Output Set: N:\CRF3\09262001\1943215.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:] L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]